| L Number | Hits  | Search Text   | DB                  | Time stamp         |
|----------|-------|---|---------------------|--------------------|
| 1        | 16    | brennan-\$.in. and klein-\$.in.   | USPAT;              | 2004/06/25 12:02   |
| <b>^</b> |       |   | US-PGPUB;           |                    |
|          |       |   | EPO; JPO;           |                    |
|          |       | ·   | DERWENT             |                    |
| 2        | 17445 | brennan-\$.in. or klein-\$.in.  | USPAT;              | 2004/06/25 12:02   |
| '        | 17443 | Oleman G.M. Of Marie  | US-PGPUB;           |                    |
|          |       |   | ЕРО; ЛРО;           |                    |
|          |       |   | DERWENT             |                    |
| 4        | 9     | ((site with (directed or specific) with (insertion or integration)) and | USPAT;              | 2004/06/25 12:02   |
| +        | 9     | (ligation adj2 independent adj2 clon\$4)) not (((ligation with          | US-PGPUB;           |                    |
|          |       | independent with clon\$4) and ((long with range with (polymerase        | EPO, JPO;           |                    |
|          |       | adj2 chain)) or (long with range with (pcr)))) or ((ligation with       | DERWENT             |                    |
|          |       | independent with clon\$4) with (target\$4 adj3 (plasmid or construct    |                     |                    |
|          |       | or dna))))  |                     |                    |
|          | 181   | deltagen-\$.as.   | USPAT;              | 2004/06/25 12:02   |
| 6        | 101   | deltagen-v.as.  | US-PGPUB;           |                    |
|          |       |   | ЕРО; ЛРО;           |                    |
|          |       |   | DERWENT             |                    |
| -        | 105   | deltagen-\$.as. and ((knockout or knock-out or targeting or knock-in    | USPAT;              | 2004/06/25 12:03   |
| 7        | 105   | or knockin or (knock adj2 out) or (knock adj2 in)) with (vector or      | US-PGPUB;           | 200 11 00/20 12/40 |
|          |       | plasmid or construct))  | EPO; JPO;           |                    |
|          |       | plasting of construct))   | DERWENT             |                    |
|          | 21    | (ligation adj2 independent adj2 clon\$4 ) and ((knockout or             | USPAT;              | 2004/06/25 12:16   |
| 8        | 21    | knock-out or targeting or knock-in or knockin or (knock adj2 out) or    | US-PGPUB;           |                    |
|          |       | (knock adj2 in)) with (vector or plasmid or construct))                 | EPO; JPO;           | 1                  |
|          |       | (knock adj2 iii)) with (vector of plasmid of construct))                | DERWENT             |                    |
|          | 1.5   | (1) - 4;  | USPAT;              | 2004/06/25 12:03   |
| 9        | 15    | ((ligation adj2 independent adj2 clon\$4) and ((knockout or             | US-PGPUB;           | 200-700725 12.05   |
|          |       | knock-out or targeting or knock-in or knockin or (knock adj2 out) or    | EPO; JPO;           |                    |
|          |       | (knock adj2 in)) with (vector or plasmid or construct))) not            | DERWENT             |                    |
|          |       | ((deltagen-\$.as. and ((knockout or knock-out or targeting or           | DERWENT             |                    |
|          |       | knock-in or knockin or (knock adj2 out) or (knock adj2 in)) with        |                     |                    |
|          |       | (vector or plasmid or construct))) and (ligation adj2 independent       |                     |                    |
|          |       | adj2 clon\$4 ))   | TICDAT.             | 2004/06/25 12:04   |
| 11       | 14    | (((ligation adj2 independent adj2 clon\$4 ) and ((knockout or           | USPAT;<br>US-PGPUB; | 2004/00/25 12.04   |
|          |       | knock-out or targeting or knock-in or knockin or (knock adj2 out) or    | EPO; JPO;           | •                  |
|          |       | (knock adj2 in)) with (vector or plasmid or construct))) not            | DERWENT             |                    |
|          |       | ((deltagen-\$.as. and ((knockout or knock-out or targeting or           | DEKWENI             |                    |
|          |       | knock-in or knockin or (knock adj2 out) or (knock adj2 in)) with        |                     |                    |
|          |       | (vector or plasmid or construct))) and (ligation adj2 independent       |                     |                    |
|          |       | adj2 clon\$4 ))) not ((((ligation adj2 independent adj2 clon\$4 )) and  |                     |                    |
|          |       | ((knockout or knock-out or targeting or knock-in or knockin or          |                     |                    |
|          |       | (knock adj2 out) or (knock adj2 in)) with (vector or plasmid or         |                     |                    |
|          |       | construct))) not ((deltagen-\$.as. and ((knockout or knock-out or       |                     |                    |
|          |       | targeting or knock-in or knockin or (knock adj2 out) or (knock adj2     |                     |                    |
|          |       | in)) with (vector or plasmid or construct))) and (ligation adj2         |                     |                    |
|          |       | independent adj2 clon\$4 ))) and (brennan-\$.in. or klein-\$.in. ))     | USPAT;              | 2004/06/25 12:04   |
| 15       | 5660  | jong-\$.in.   | US-PGPUB;           | 2004/00/23 12.04   |
|          |       | ·   | EPO; JPO;           |                    |
|          |       |   | DERWENT             |                    |
|          |       |   | 1                   | 2004/06/25 12:04   |
| 16       | 5803  | schmitz-\$.in.  | USPAT;              | 2004/00/23 12:02   |
|          |       |   | US-PGPUB;           |                    |
|          |       |   | EPO; JPO;           |                    |
|          |       |   | DERWENT             | 2004/06/25 12:04   |
| 17       | 11510 | aslanidis-\$.in. or jong-\$.in. or schmitz-\$.in.                       | USPAT;              | 2004/06/25 12:04   |
|          | 1     |   | US-PGPUB;           |                    |
|          | 1     |   | EPO; JPO;           |                    |
|          |       |   | DERWENT             | 2004/06/25 15 5    |
| 18       | 0     | (aslanidis-\$.in. or jong-\$.in. or schmitz-\$.in.) and (ligation adj2  | USPAT;              | 2004/06/25 12:04   |
|          |       | independent adj2 clon\$4 )  | US-PGPUB;           |                    |
|          |       |   | EPO; JPO;           |                    |
|          | 1     |   | DERWENT             | 1                  |

|     |     |  | USPAT;      | 2004/06/25 12:05 |
|-----|-----|--|-------------|------------------|
| 10  | 1   | (((ligation adj2 independent adj2 clon\$4 ) and ((knockout or        | US-PGPUB;   | 2004/00/25 12:05 |
|     | 1   | knock-out or targeting or knock-in or knockin or (knock adj2 out) or | EPO; JPO;   |                  |
|     |     | (knock adj2 in)) with (vector or plasmid or construct))) not         | DERWENT     |                  |
|     |     | ((deltagen-\$.as. and ((knockout or knock-out or targeting or        | DEKWENI     |                  |
|     | 1   | knock-in or knockin or (knock adj2 out) or (knock adj2 in)) with     |             |                  |
|     |     | (vector or plasmid or construct))) and (ligation adj2 independent    |             |                  |
|     |     | adj2 clon\$4 ))) and (brennan-\$.in. or klein-\$.in. )               | T TOTO A TT | 2004/06/25 12:07 |
| 14  | 1   | N7847298N  | USPAT;      | 2004/06/25 12:07 |
|     |     |  | US-PGPUB;   |                  |
|     |     |  | EPO; JPO;   |                  |
|     |     |  | DERWENT     |                  |
| 19  | 2   | 784729.pn.   | USPAT;      | 2004/06/25 12:07 |
| • - |     | •  | US-PGPUB;   |                  |
|     |     |  | EPO; JPO;   |                  |
|     |     |  | DERWENT     |                  |
| 5   | 3   | ((ligation with independent with clon\$4) and ((long with range with | USPAT;      | 2004/06/25 12:07 |
| ,   |     | (polymerase adj2 chain)) or (long with range with (pcr)))) and       | US-PGPUB;   |                  |
|     |     | ((ligation with independent with clon\$4) with (target\$4 adj3       | ЕРО; ЛРО;   |                  |
|     |     | (plasmid or construct or dna)))                                      | DERWENT     |                  |
| 10  | 3   | (ligation with independent with clon\$4).clm.                        | USPAT,      | 2004/06/25 12:08 |
| 12  | 3   | (ngation with macpendent with close 1).5mm                           | US-PGPUB;   |                  |
|     |     |  | ЕРО; ЛРО;   |                  |
|     |     |  | DERWENT     |                  |
|     |     | (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)                              | USPAT;      | 2004/06/25 12:22 |
| 13  | 2   | (ligation with independent with clon\$4).ti.                         | US-PGPUB;   |                  |
|     | 1   |  | EPO; JPO;   |                  |
|     |     |  | DERWENT     |                  |
|     |     |  | USPAT;      | 2004/06/25 12:10 |
| 20  | 291 | haun-\$.in.  | US-PGPUB;   | 2004/00/23 12:10 |
|     |     |  | EPO; JPO;   |                  |
|     |     |  | DERWENT     |                  |
|     |     |  | l .         | 2004/06/25 12:10 |
| 21  | 1   | (ligation with independent with clon\$4) and haun-\$.in.             | USPAT;      | 2004/00/23 12.10 |
|     |     |  | US-PGPUB;   |                  |
|     |     |  | ЕРО; ЛРО;   |                  |
|     |     |  | DERWENT     | 2004/06/25 12:11 |
| 22  | 4   | (ligation adj2 independent adj2 clon\$4 ) same ((knockout or         | USPAT;      | 2004/06/25 12:11 |
|     |     | knock-out or targeting or knock-in or knockin or (knock adj2 out) or | US-PGPUB;   |                  |
|     |     | (knock adj2 in)) with (vector or plasmid or construct))              | EPO; JPO;   |                  |
|     |     |  | DERWENT     | 2004/06/25 12 11 |
| 23  | 17  | ((ligation adj2 independent adj2 clon\$4 ) and ((knockout or         | USPAT;      | 2004/06/25 12:11 |
|     |     | knock-out or targeting or knock-in or knockin or (knock adj2 out) or | US-PGPUB;   |                  |
|     |     | (knock adi2 in)) with (vector or plasmid or construct))) not         | EPO; JPO;   |                  |
|     |     | ((ligation adi2 independent adj2 clon\$4) same ((knockout or         | DERWENT     |                  |
|     |     | knock-out or targeting or knock-in or knockin or (knock adj2 out) or |             |                  |
|     | 1   | (knock adj2 in)) with (vector or plasmid or construct)))             |             |                  |
| 3   | 2   | ((ligation with independent with clon\$4) and ((long with range with | USPAT;      | 2004/06/25 12:16 |
| ~   |     | (polymerase adj2 chain)) or (long with range with (pcr)))) and       | US-PGPUB;   |                  |
|     |     | ((knock adj2 out) with (vector or construct or plasmid))             | EPO; JPO;   |                  |
|     |     | ((   | DERWENT     |                  |
| 24  | 98  | LIC and ((knockout or knock-out or targeting or knock-in or knockin  | USPAT;      | 2004/06/25 12:17 |
| 27  | 1   | or (knock adj2 out) or (knock adj2 in)) with (vector or plasmid or   | US-PGPUB;   |                  |
|     |     | construct))  | EPO; JPO;   |                  |
|     |     |  | DERWENT     |                  |
| 25  | 0   | LIC same ((knockout or knock-out or targeting or knock-in or         | USPAT;      | 2004/06/25 12:17 |
| 25  | 0   | knockin or (knock adj2 out) or (knock adj2 in)) with (vector or      | US-PGPUB;   |                  |
|     |     | plasmid or construct))   | EPO; JPO;   |                  |
|     |     | prasmit of constructy)   | DERWENT     |                  |
|     |     | LIC and (((knockout or knock-out or targeting or knock-in or         | USPAT;      | 2004/06/25 12:22 |
| 26  | 11  | knockin or (knock adj2 out) or (knock adj2 in)) with (vector or      | US-PGPUB;   |                  |
|     |     | Knockin of (Knock adj2 oil) of (knock adj2 iii)) with (vector of     | EPO; JPO;   |                  |
|     |     | plasmid or construct))).clm.   | DERWENT     |                  |
|     |     |  | DEKARIAI    | <u> </u>         |

| 27 | 4 | deltagen-\$.as. and (((knockout or knock-out or targeting or      | USPAT;    | 2004/06/25 12:22 |
|----|---|---|-----------|------------------|
|    |   | knock-in or knockin or (knock adj2 out) or (knock adj2 in)) with  | US-PGPUB; |                  |
|    |   | (vector or plasmid or construct))).clm.                           | EPO; JPO; |                  |
|    |   | 777   | DERWENT   |                  |
| 28 | 3 | (ligation with independent with clon\$4) and (deltagen-\$.as. and | USPAT;    | 2004/06/25 12:22 |
| 20 |   | (((knockout or knock-out or targeting or knock-in or knockin or   | US-PGPUB; |                  |
|    |   | (knock adj2 out) or (knock adj2 in)) with (vector or plasmid or   | EPO; JPO; |                  |
|    |   | construct))).clm.)  | DERWENT   |                  |

| L Number | Hits | Search Text  | DB        | Time stamp       |
|----------|------|--|-----------|------------------|
| 1        | 2    | 5137814.pn.  | USPAT;    | 2004/06/25 12:29 |
|          |      | -  | US-PGPUB; |                  |
|          |      |  | ЕРО; ЛРО; |                  |
|          |      |  | DERWENT   |                  |
| 2        | 2    | 5464764.pn.  | USPAT;    | 2004/06/25 12:29 |
| -        |      | •  | US-PGPUB; |                  |
|          |      |  | ЕРО; ЈРО; |                  |
|          |      |  | DERWENT   |                  |
| 3        | 2    | 5487992.pn.  | USPAT;    | 2004/06/25 12:30 |
| ·        | _    | 1  | US-PGPUB; |                  |
|          |      |  | EPO; JPO; |                  |
|          |      |  | DERWENT   |                  |
| 4        | 2    | 5627059.pn.  | USPAT;    | 2004/06/25 12:30 |
| ,        | _    |  | US-PGPUB; |                  |
|          |      |  | EPO; JPO; |                  |
|          | :    |  | DERWENT   |                  |
| 5        | 2    | 5631153.pn.  | USPAT;    | 2004/06/25 12:30 |
|          | 2    | 3001130.p  | US-PGPUB; |                  |
|          |      |  | ЕРО; ЛРО; |                  |
|          |      |  | DERWENT   |                  |
| 6        | 2    | 5714667.pn.  | USPAT;    | 2004/06/25 12:30 |
| •        | 2    | 371 1007 pm  | US-PGPUB, |                  |
|          |      |  | ЕРО; ЛРО; |                  |
|          |      |  | DERWENT   |                  |
| 8        | 6824 | (ligation adj2 independent adj2 clon\$4 ) or LIC   | USPAT;    | 2004/06/25 12:31 |
| 0        | 0624 | (ligation adj2 independent adj2 creat · ) ===  | US-PGPUB; |                  |
|          |      |  | EPO; JPO; |                  |
|          |      |  | DERWENT   |                  |
| 9        | 0    | (5137814.pn. or 5464764.pn. or 5487992.pn. or 5627059.pn. or   | USPAT;    | 2004/06/25 12:31 |
| 9        |      | 5631153.pn. or 5714667.pn.) AND ((ligation adj2 independent adj2   | US-PGPUB; |                  |
|          |      | clon\$4 ) or LIC)  | EPO; JPO; |                  |
|          |      | Contact for Electrical | DERWENT   |                  |
| 7        | 12   | 5137814.pn. or 5464764.pn. or 5487992.pn. or 5627059.pn. or  | USPAT;    | 2004/06/25 12:32 |
| ,        | 12   | 5631153.pn. or 5714667.pn.   | US-PGPUB; |                  |
|          |      | 3031133.рм. 01 371 10077рм   | ЕРО; ЛРО; |                  |
|          |      |  | DERWENT   |                  |
| 10       | 173  | "18175"  | USPAT;    | 2004/06/25 12:33 |
| 10       | 175  | 10175  | US-PGPUB; |                  |
|          |      |  | EPO; JPO; |                  |
|          |      |  | DERWENT   |                  |
| 11       | 83   | "06908"  | USPAT;    | 2004/06/25 12:33 |
| **       |      | 00700  | US-PGPUB, |                  |
|          |      |  | EPO; JPO; |                  |
|          |      |  | DERWENT   |                  |
| 12       | 256  | "18175" OR "06908"   | USPAT;    | 2004/06/25 12:33 |
| 12       | 250  |  | US-PGPUB; |                  |
|          |      |  | ЕРО; ЈРО; |                  |
|          |      |  | DERWENT   |                  |
| 13       | 86   | ("18175" OR "06908") AND TRANSGEN\$4   | USPAT;    | 2004/06/25 12:33 |
| 1.5      | 30   | ,  | US-PGPUB; |                  |
|          |      |  | ЕРО; ЛРО; |                  |
|          |      |  | DERWENT   |                  |
| 14       | 13   | ("18175" OR "06908") AND ((ligation adj2 independent adj2  | USPAT;    | 2004/06/25 12:34 |
| 17       | 13   | clon\$4 ) or LIC)  | US-PGPUB; |                  |
|          |      |  | ЕРО; ЛРО; |                  |
| -        |      |  | DERWENT   |                  |

## (FILE 'HOME' ENTERED AT 12:35:51 ON 25 JUN 2004)

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FILE 'MEDLINE, EMBASE, BIOSIS, CAPLUS' ENTERED AT 12:36:10 ON 25 JUN 2004
         19718 S (BRENNAN, ?)/IN,AU
L1
         94899 S (KLEIN, ?)/IN,AU
L2
             35 S L1 AND L2
L3
         114582 S L1 OR L2
L4
           138 S LIGATION (S) INDEPENDENT (S) CLONING
L5
           1776 S LIC OR L5
L6
              8 S L6 AND L4
L7
              8 DUPLICATE REMOVE L7 (0 DUPLICATES REMOVED)
Г8
          34684 S (KNOCKOUT OR KNOCK-OUT OR KNOCKIN OR KNOCK-IN OR TARGETING OR
L9
             12 S L9 AND L5
L10
             7 DUPLICATE REMOVE L10 (5 DUPLICATES REMOVED)
L11
             5 S L11 NOT L7
L12
```

=> log y